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## **MEMO**

**TO: All Building Officials in Miami-Dade County**

**FROM: Herminio F. González, P.E., Secretary**  
**Miami-Dade Board of Rules and Appeals**



**DATE: June 21, 2006**

**SUBJECT: Board of Rules and Appeals**  
**Shingle Recovery**

The shingle recover system is an option that is available and is allowed under Section 1521.17 of the Florida Building Code. Shingle recover installation procedures, however, are not specifically defined in either the Code or the asphalt shingle Product Approvals. The shingle recover system differs from a standard shingle installation in some ways and requires that special techniques be followed with attention to detail being maintained.

At their June 15, 2006 meeting the Board of Rules and Appeals endorsed the following guidelines for the recovering of asphalt fiber glass shingles. The purpose of these guidelines is to provide direction to Building Officials and the roofing industry and to achieve countywide minimum uniform procedures that can provide for an acceptable shingle recover installation.

### **SHINGLE RECOVER GUIDELINES**

- The existing shingle surface and deck shall conform to the requirements contained in sections 1521.5 and 1521.17 of the Florida Building Code. The Building Department shall verify if renailling of the sheathing is required and if the existing shingle surface is sufficiently even and properly aligned to allow recover. If any of these items are found deficient, removal of the existing roof shall be required.
- The recover of existing asphaltic shingles shall be limited to a roof mean height of 33 feet (10 m), unless otherwise specifically noted in the Product Approval.

- Shingle recoverers shall utilize the nesting method as illustrated in the National Roofing Contractors Association (NRCA) Roofing and Waterproofing Manual, Fifth Edition. An underlayment shall not be used when using this method of shingle recover.
- The nesting method can only be used if installing standard shingles (nom. 12" x 36") over existing standard shingles or if installing metric shingles (nom. 13 1/4" x 39 3/8") over existing metric shingles. Otherwise removal of the existing roof is required.
- The shingles shall be secured in compliance with the requirements contained in section 1518.7.3.2, the Product Approval or as referenced in Roofing Application Standard (RAS) 115. When the architectural appearance is to be preserved from below, comply with section 1512.2.2.5.1 of the Florida Building Code.
- Existing ridge and hip caps shall be removed prior to recovering.
- Install new drip edge with a vertical flange of sufficient width to completely cover the existing drip edge or remove the existing drip edge, ensuring that a level surface flush with the existing shingle surface is maintained. Drip edge installation shall comply with the Product Approval or as referenced in RAS 115 and RAS 111.
- Prepare the starter course for the nesting method, when using self-sealing shingles, by removing the 5" (5 5/8" metric) tab portion and cutting 2" off the top of self-sealing shingle. Placing the factory applied adhesive face up along the eaves, set the starter shingle in a 5" (5 5/8" metric) wide bed of approved plastic roof cement and fasten with six approved ring-shank roofing nails. Ensure that the cutouts of the first course are not placed over the starter strip joints.
- Prepare the starter course for the nesting method, when using shingles without a self-sealing strip, by removing the 5" (5 5/8" metric) tab portion and cutting 2" off the top of the shingle. Set the starter shingle in a 5" (5 5/8" metric) wide bed of approved plastic roof cement and fasten with six approved ring-shank roofing nails. Approved plastic roof cement shall be applied in spots approximately the size of a quarter under the corners of each tab of the first course. Ensure that the cutouts of the first course are not placed over the starter strip joints.
- Prepare the starter course for the nesting method, when roll roofing is used, by cutting the roll roofing into strips 5" wide (5 5/8" metric). Set the roll roofing in a 5" (5 5/8" metric) wide bed of approved plastic roof cement and fasten with approved ring-shank nails along a line not greater than 4 inches above the eave line nailing not greater than 12 inches o.c. Approved plastic roof cement shall be applied as noted above for starter shingles without a self-sealing strip. If more than one piece of roll roofing must be used, the end joint shall be butted. Joints shall be staggered with succeeding shingle joints, and the number of starter joints shall be kept to a minimum.
- Prepare the first course of shingles by removing 2" (3-1/8" metric) off the top of all first course shingles. Lay them with their top edge butted against the bottom of the third course of the existing shingle roof. Fasten as required by the Product Approval and RAS 115.

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- For the second and subsequent courses use full-sized shingles and place them so their top edge is butted against the bottom edge of the next course of existing shingles. Fasten as required by the Product Approval or RAS 115.
- Install new valley assembly flashings, vertical wall flashings, head/apron flashings, soil stacks, vent pipe flashings, chimney flashings, etc., in compliance with the installation requirements contained in the Product Approval or as referenced in RAS 115.
- Follow standard installation procedures contained in the Product Approval or as referenced in RAS 115, unless otherwise indicated in these guidelines.

If you have any question, please contact Mr. Mark Zehnal, Roofing Code Compliance Specialist at (305) 375-2901.